Amendment to the Claims

1 (Previously Presented).   A method for Digital Subscriber Line (DSL) handshaking, the method comprises:

transmitting, by a remote DSL transceiver, first signals containing even numbered carriers for a predetermined period of time to initiate the DSL handshaking to produce R-ETONES-REQ, wherein the first signals comprise a plurality of even numbered carriers eight through thirty and include periodic phase reversal;

detecting, by a central office DSL transceiver, the R-ETONES-REQ to produce detected R-ETONES-REQ;

determining, by the central office DSL transceiver, alignment of a hyperframe in accordance with a Time Compression Multiplexing – Integrated Service Digital Network (TCM-ISDN) Timing Reference (TTR);

transmitting, by the central office DSL transceiver, first response signals containing odd numbered carriers in accordance with the alignment of the hyperframe to produce C-TONES-TTR, wherein the first response signals comprise odd numbered carriers five through thirty-one and include periodic phase reversal;

acquiring, by the remote DSL transceiver, TTR synchronization in accordance with the C-TONES-TTR;

upon acquiring TTR synchronization, transmitting, by the remote DSL transceiver, second signals containing even numbered carriers to produce R-TONE-TTR;

in response to the R-TONE-TTR, transmitting, by the central office DSL transceiver, second response signals containing odd numbered carriers to produce C-GALF1-TTR;

in response to the C-GALF1-TTR, transmitting, by the remote DSL transceiver, third signals containing even numbered carriers to produce R-FLAG1-TTR; and

in response to the R-FLAG1-TTR, transmitting, by the central office DSL transceiver, third response signals containing odd numbered carriers to produce C-FLAG1.

2 (Previously Presented).   The method of claim 1, wherein the first signals comprise even numbered carriers eight through thirty less, carriers twelve and fourteen.

3 (Original).   The method of claim 1 further comprises:

      subsequent to transmitting the first signals, transmitting, by the remote DSL transceiver, additional first signals from one or more signaling families to produce R-TONES-REQ.

4 (Previously Presented).   The method of claim 1, wherein the first response signals comprises odd numbered carriers five through thirty-one, less carriers seven and nine.

5 (Original).   The method of claim 1, wherein the acquiring, by the remote DSL transceiver, TTR synchronization further comprises:

      continue transmitting, by the remote DSL transceiver, the R-ETONES-REQ until the TTR synchronization is acquired.

6 (Original).   The method of claim 1, wherein the second signals comprises even numbered carriers eight through thirty, less carriers twelve and fourteen.

7 (Original).   The method of claim 1, wherein the second response signals comprises odd numbered carriers five through thirty-one, less carriers seven and nine.

8 - 27 (Canceled). Please cancel claims 8 through 27.

28 (Currently Amended).   A method for Digital Subscriber Line (DSL) handshaking, the method comprises:

transmitting, by a remote DSL transceiver, first signals for a predetermined period of time to initiate the DSL handshaking to produce R-ETONES-REQ, wherein the first signals comprise a plurality of even numbered carriers eight through thirty less, carriers twelve and fourteen and include periodic phase reversal;

detecting, by a central office DSL transceiver, the R-ETONES-REQ to produce detected R-ETONES-REQ;

determining, by the central office DSL transceiver, alignment of a hyperframe in accordance with a Time Compression Multiplexing – Integrated Service Digital Network (TCM-ISDN) Timing Reference (TTR);

transmitting, by the central office DSL transceiver, first response signals in accordance with the alignment of the hyperframe to produce C-TONES-TTR, wherein the first response signals comprise a plurality of odd numbered carriers and include periodic phase reversal;

acquiring, by the remote DSL transceiver, TTR synchronization in accordance with the C-TONES-TTR;

upon acquiring TTR synchronization, transmitting, by the remote DSL transceiver, second signals to produce R-TONE-TTR, wherein the second signals comprise a plurality of even numbered carriers and include periodic phase reversal;

in response to the R-TONE-TTR, transmitting, by the central office DSL transceiver, second response signals to produce C-GALF1-TTR, wherein the second response signals comprise a plurality of odd numbered carriers and include periodic phase reversal;

in response to the C-GALF1-TTR, transmitting, by the remote DSL transceiver, third signals containing even numbered carriers to produce R-FLAG1-TTR; and

in response to the R-FLAG1-TTR, transmitting, by the central office DSL transceiver, third response signals containing odd numbered carriers to produce C-FLAG1.

29 (Canceled). Please cancel claim 29.

30 (Currently Amended).   The method of claim 28 ~~29~~ further comprises:

     subsequent to transmitting the first signals, transmitting, by the remote DSL transceiver, additional first signals from one or more signaling families to produce R-TONES-REQ.

31 (Previously Presented).   The method of claim 30, wherein the first response signals comprises odd numbered carriers five through thirty-one, less carriers seven and nine.

32 (Previously Presented).   The method of claim 31, wherein the acquiring, by the remote DSL transceiver, TTR synchronization further comprises:

     continue transmitting, by the remote DSL transceiver, the R-ETONES-REQ until the TTR synchronization is acquired.

33 (Previously Presented).   The method of claim 32, wherein the second signals comprises even numbered carriers eight through thirty, less carriers twelve and fourteen.

34 (Previously Presented).   The method of claim 33, wherein the second response signals comprises odd numbered carriers five through thirty-one, less carriers seven and nine.